

CALFED Implementation Plan

Stage 1 Actions (first seven years after the ROD - includes Framework Actions)

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Drinking Water Quality Actions

- 45. Develop a Bay Area Blending/Exchange Project that enables Bay Area water districts to work cooperatively to address water quality and supply reliability concerns (yr 1 - 7)**
Specific Milestones:
A. Identify potential local partners and develop agreements as needed for necessary studies (by yr 2).
B. Secure authorization and funding for feasibility studies (by yr 2).
C. Begin feasibility study and environmental review (by yr 2), complete feasibility study (by yr 3).
D. Complete environmental review, documentation and preliminary design on a selected alternative (by yr 4).
E. Finalize agreements with project participants (by yr 4).
F. Obtain necessary authorizations and funding (including any required local voter approval) (by yr 4), and begin construction (by yr 5).
- 46. Address drainage problems in the San Joaquin Valley to improve downstream water quality (includes funding for support of voluntary land retirement programs with a target of approximately 35,000 acres) (yr 1-7+)**
Specific Milestones:
A. Finalize State Basin Plan Amendment and Total Maximum Daily Load for salinity in the San Joaquin River (by yr 1).
B. Begin implementation of appropriate source control measures (e.g., on farm and district actions, development of treatment technology, real-time management and reuse projects such as agroforestry) (by yr 3).
- 47. Implement source controls in the Delta and its tributaries (includes Assessment of Sources and Magnitude of Loads, TOC/DOC studies/projects, Veale/Byron Tract Drainage Management, Industrial Source Control, Advanced Wastewater Treatment, Local Salt Removal, watershed improvements to reduce constituents of concern in the Sacramento River, Coordinated Watershed Program in the San Joaquin River Basin, recreational impacts on drinking water quality in the Delta and drinking water reservoirs, and any monitoring, research, and modeling associated with the above projects) (yr**

1 - 7+).

Specific Milestones:

- A. CVRWQCB, with support from CALFED and DHS, will establish a comprehensive state drinking water policy (by yr 4).
- B. As part of the CALFED Science Program, develop comprehensive monitoring and assessment program (by yr 3).
- C. Evaluate and determine whether additional protective measures (regulatory and/or incentive based) are necessary to protect beneficial uses (by yr 4).
- D. Consistent with the above policy, CVRWQCB, with support from DWR and DHS, will begin implementation of appropriate source control measures (e.g., advanced wastewater treatment, local drainage management practices) (by yr 6).

48. Support the ongoing efforts of the Delta Drinking Water Council (yr 1 - 7+)

Specific Milestones:

- A. Council will complete initial assessment of progress toward meeting CALFED water quality targets and alternative treatment technologies (by yr 3)
- B. Council will complete final assessment and submit final recommendations on progress toward meeting CALFED water quality targets and alternative treatment technologies (by yr 7).

49. Facilitate water quality exchanges and similar programs to make high quality Sierra water in the eastern San Joaquin Valley available to urban Southern California interests (yr 1 - 7)

Specific Milestones:

- A. Initiate evaluations and studies of potential infrastructure improvements (by yr 1)
- B. Complete feasibility studies and implement selected demonstration projects (by yr 1)
- C. Complete environmental review and begin implementation of a long-term program, including necessary infrastructure (by yr 4)

50. Treatment Technology (includes a combination of bench, pilot and demonstration scale studies using UV disinfection, membranes, disinfection by-product precursor removal methods, bromate control measures and desalination, and evaluation of combinations of treatment strategies.) (yr 1 - 7)

Specific Milestones:

- A. Initiate UV disinfection plant demonstration project (by yr 2)
- B. Initiate regional desalination demonstration project (by yr 2)
- C. Evaluate practicability of and determine timelines for full-scale implementation (by yr 7)

51. **Control runoff into the California Aqueduct and other similar conveyances (yr 1 - 7+)**
Specific Milestones:
A. Initiate comprehensive evaluation of necessary physical modifications by (e.g., modifications to berms, bypasses, and stormdrains to divert stormwater away from and prevent its discharge into the Aqueduct and other similar conveyance channels) (by yr 1)
B. Develop and implement watershed management programs adjacent to appropriate conveyance channels (by yr 4)
C. Identify and begin implementation of necessary physical improvements (by yr 5)
52. **Address Water Quality Problems at the North Bay Aqueduct (yr 1 - 7+)**
Specific Milestones:
A. Provide funding to implement BMPs to improve watershed runoff water quality (yr 1 - 3).
B. Study feasibility of relocating North Bay Aqueduct intake (by yr 2).
53. **Operations/Storage/Conveyance (includes modeling, refinement studies, EEWMA coordination, San Joaquin River Salt Recirculation) (yr 1 - 7+)**
Specific Milestones:
A. Implement the feasibility study of recirculation of water exported from the Delta through state and federal water projects (by yr 1)
B. Provide a recommendation to the CALFED governing body on the use of recirculation to meet CALFED objectives (by yr 2).
54. **Support for Public Health Effects Studies (includes support for identifying the potential health effects of bromide related disinfection by-products (yr 2 - 4)**